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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Ann Marie Schmidt, et al.  
U.S. Serial No.: 10/666,513  
Filed : September 19, 2003  
For : Extracellular RAGE Binding Protein (EN-RAGE) and Uses Thereof

1185 Avenue of the Americas  
New York, New York 10036  
January 6, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

In accordance with the duty of disclosure under 37 C.F.R. §1.56, applicant directs the Examiner's attention to the following disclosures, which are listed on Form PTO-1449 (Exhibit A).

1. U.S. Patent No. 5,688,653, November 18, 1997 (Ulrich, et al.);
2. U.S. Patent No. 5,864,018, January 26, 1999 (Morser, et al.);
3. U.S. Patent No. 5,976,832, November 2, 1999 (Hitomi, et al.) (Exhibit 1);
4. Morser et al. PCT International Application No. PCT/EP97/01832, filed April 11, 1997, published October

Applicant : Ann Marie Schmidt, et al.  
Serial No.: 10/666,513  
Filed : September 19, 2003  
Page 2

23 1997; Publication No. WO 97/39121, Advanced Glycation Endproduct Receptor Peptides and Uses Thereof;

5. Morser et al. PCT International Application No. PCT/EP97/01834, filed April 11, 1997, published October 23 1997; Publication No. WO 97/39125, Antibodies Against the Advanced Glycation Endproduct Receptor and Uses Thereof;
6. Baynes, J. W. (1991). Role of oxidative stress in development of complications in diabetes. Diabetes 40:405-412;
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8. Brett, J., et al. (1993). Survey of the distribution of a newly characterized receptor for advanced glycation end products in tissues. Am. J. Pathol. 143(6):1699-1712;
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10. Cai, X-D., et al. (1993). Release of excess amyloid  $\beta$  protein from a mutant amyloid  $\beta$  protein precursor. Science 259: 514-516;
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14. Fu, M-X., et al. (1996). The advanced glycation end product, N<sup>ε</sup>-(carboxymethyl)lysine, is a product of both lipid peroxidation and glycoxidation reactions. J. Biol. Chem. 271: 9982-9986;
15. Giardino, I., et al. (1994). Nonenzymatic glycosylation *in vitro* and in bovine endothelial cells alters basic fibroblast growth factor activity. J. Clin. Invest. 94: 110-117;
16. Gibbons, G. H. and V. J. Dzau. (1996). Molecular therapies for vascular diseases. Science 272: 689-693;
17. Hofmann, M. A., et al. (1999). RAGE mediates a novel proinflammatory axis: a central cell surface receptor for s100/calgranulin polypeptides. Cell 97:889-901 (**Exhibit 2**);
18. Hori, O., et al. (1995). The Receptor for Advanced Glycation End Products (RAGE) Is a Cellular Binding Site for Amphotericin J. Biol. Chem. 270: 25752-25761;

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23. Li, J. and A.M. Schmidt (1997). Characterization and functional analysis of the promoter of RAGE, the receptor for advanced glycation end products. J. Biol. Chem. 272: 16498-16506;
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30. Park, L., et al. (1998). Suppression of accelerated diabetic atherosclerosis by the soluble receptor for advanced glycation endproducts. Nature Medicine 4: 1025-1031;
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implication of pentoses in the aging process. J. Biol. Chem. 264:21597-21602 (**Exhibit 4**);

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Applicant : Ann Marie Schmidt, et al.  
Serial No.: 10/666,513  
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Page 10

The subject application is a continuation of and claims the benefit under 35 U.S.C. §120 of U.S. Serial No. 09/167,705, filed October 6, 1998.

Above-listed references 1, 6-16, 19-33, 35-44, 47-51 and 53-58 were submitted to and considered by the United States Patent and Trademark Office in an Information Disclosure Statement filed in connection with U.S. Serial No. 09/167,705, filed October 6, 1998. Above-listed references 2, 18 and 34 were cited by the United States Patent and Trademark Office in an Office Action dated March 24, 1998 in connection with 09/167,705, filed October 6, 1998. Above-listed references 4 and 5 were submitted to and considered by the United States Patent and Trademark Office in a Supplemental Information Disclosure Statement filed on June 18, 2001 in connection with U.S. Serial No. 09/167,705, filed October 6, 1998. Accordingly, under 37 C.F.R. §1.98(d) copies of these references are not required to be provided to the United States Patent and Trademark Office, since they were previously submitted to or cited by the United States Patent and Trademark Office in an application relied upon for an earlier effective filing date under 35 U.S.C. §120. A copy of above-listed reference 3 is submitted herewith, as Exhibit 1, which was cited by the United States Patent and Trademark Office in an Office Action dated December 19, 2000 in connection with 09/263,312, filed March 5, 1999, now U.S. Patent No. 6,555,340 B1, issued April 29, 2003. A copy of above-listed reference 17 is submitted herewith, as Exhibit 2. Copies of above-listed references 45, 46 and 52 are submitted herewith, as Exhibits 3-5, respectively, which were submitted to and considered by the United States Patent and Trademark Office in

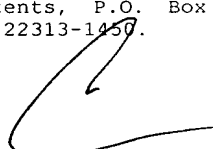
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Serial No.: 10/666,513  
Filed : September 19, 2003  
Page 11

an Information Disclosure Statement filed in connection with  
U.S. Serial No. 09/826,589, filed April 5, 2001.

If a telephone interview would be of assistance in advancing  
prosecution of the subject application, applicants'  
undersigned attorney invites the Examiner to telephone him at  
the number provided below.

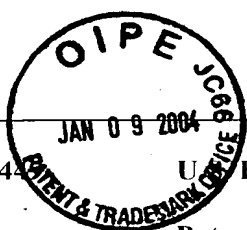
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**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)**U.S. PATENT DOCUMENTS**

Examiner Initials	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	5 6 8 8 6 5 3	11/18/97	Ulrich, et al.			
	5 8 6 4 0 1 8	1/26/99	Morser, et al.			
	5 9 7 6 8 3 2	11/2/99	Hitomi, et al.			

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							Yes	No
	WO	9 7 3 9 1 2 1	10/23/97	PCT				
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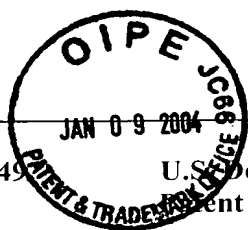
**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	Baynes, J. W. (1991). Role of oxidative stress in development of complications in diabetes. Diabetes 40:405-412;
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	Brett, J., et al. (1993). Survey of the distribution of a newly characterized receptor for advanced glycation end products in tissues. Am. J. Pathol. 143(6):1699-1712;
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	Citron, M., et al. (1997). Mutant presenilins of Alzheimer's Disease increase production of 42-residue amyloid $\beta$ -protein in both transfected cells and transgenic mice. Nature Medicine 3(1): 67-72;

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	Fahey, T., et al. (1991). Diabetes impairs the late inflammatory response to wound healing. J. Surg. Res. 50: 308-313;
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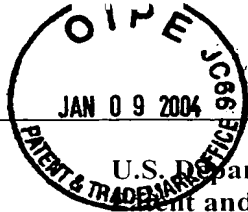
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September 19, 2003

Group Art Unit

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**FOREIGN PATENT DOCUMENTS**

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						Yes	No

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	Schmidt, A. M., et al. (1995). Advanced glycation endproducts interacting with their endothelial receptor induce expression of vascular cell adhesion molecule-1 (VCAM-1) in cultured human endothelial cells and in mice. J. Clin. Invest. 96: 1395-1403;
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U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
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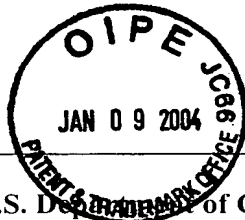
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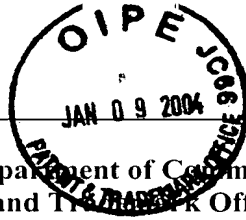
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		Soulis, T., et al. (1997). Advanced glycation end products and their receptors co-localise in rat organs susceptible to diabetic microvascular injury. Diabetologia 40: 619-628;
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		Vlassara, H., et al. (1994). Pathogenic effects of advanced glycosylation: biochemical, biologic, and clinical implications for diabetes and aging. Lab. Invest. 70: 138-151;

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	Vlassara, H., et al. (1995). Identification of Galectin-3 as a high affinity binding protein for advanced glycation end products. Arterioscler. Thromb. 14:1521-1528;
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